



CECILWARE COFFEE BREWERS OPERATION MANUAL



CS3AWT

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CS2

MODEL NO.	GENERAL SPECIFICATIONS				ELECTRICAL DATA		
	Width	Depth	Height	Ship Wt. (lbs.)	Watts	Volts	Amps
CS2	16"	10"	20 ³ / ₄ "	25	1600 2200	120 220	15 10
CS3	16"	10"	21 ³ / ₄ "	26	1700 2300	120 220	15 10.5
CS2A, 2AWT	16"	10"	20 ³ / ₄ "	27	1600 2200	120 220	15 10
CS3A, 3AWT	16"	10"	21 ³ / ₄ "	28	1700 2300	120 220	15 10.5



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WARNING: MACHINE WARRANTY IS VOID IF MACHINE IS CONNECTED TO ANY VOLTAGE OTHER THAN 120 VOLTS. (EXPORT UNITS SHOULD BE CONNECTED TO 220 VAC VOLTS).

****INSTALLATION INSTRUCTIONS****

NOTE: A SEPARATE CIRCUIT SHOULD BE SUPPLIED FOR EACH OF THESE BREWERS WITH A 15 AMP. CIRCUIT BREAKER OR FUSE. CHECK LOCAL CODES FOR COMPLIANCE IN INSTALLATION.

CAUTION: DO NOT CONNECT BREWER TO POWER SOURCE UNTIL AFTER PRIMING. (INSTRUCTIONS BELOW).

WATER HOOK-UP (FOR AUTOMATIC BREWERS ONLY) - (CS2A. 3A. 2AWT. 3AWT)

Automatic Brewers should be hooked up by a plumber in compliance with local plumbing codes. The National Sanitation Foundation (NSF) requires the following for an NSF approved hook-up:

1. A quick disconnect water connection or enough extra coiled tubing, (at least twotimes the depth of brewer) so that brewer can be moved to clean underneath.
 2. An approved flowback prevention device such as a double check valve to be installed between brewer and water supply.
- Your automatic coffee brewer was shipped with a water hook-up kit consisting of a strainer, length of $\frac{1}{4}$ " (outside diameter) copper tubing and water valve fitting which connects to valve in rear of brewer. This fitting needs to be finger tightened only. Connect the open end of the strainer to $\frac{1}{4}$ " O.D. tubing and a shut-off valve (supplied by others) leading to cold water supply. 20-120 PSI water pressure, required for proper operation.

TO PRIME ALL BREWERS:

1. Remove sample filter pack from funnel and insert funnel back into machine.
2. Place an empty decanter on warmer plate directly under funnel.
3. Lift cover (1, Fig. 1, 2) and pour 3 decanters of cold water through the top opening at 3 minute intervals. After the third decanter is poured, water will flow through spray head and funnel and fill decanter beneath.
4. Plug line cord into receptacle and turn on power switch. The power light will light, indicating power is applied to the tank heater. Wait approximately 15 minutes for the water to reach brewing temperature, at which point the green light will light. You are now ready to brew coffee.

NOTE: In high altitude locations (at least 5000 ft. above sea level) thermostat setting may have to be lowered to prevent boiling. Turn thermostat stem at back of brewer slowly counter-clockwise until boiling stops.

THESE INSTRUCTIONS ARE FOR INITIAL PRIMING ONLY AND DO NOT HAVE TO BE REPEATED FOR NORMAL OPERATION.

NOTE: If brewer is not to be used for an extended period, turn off power switch. This will prevent excessive evaporation of the water reserve in the tank, (in models without water tap) and save on your electric bill.

BACK-UP SYSTEM (Automatic Models - CS2A. 3A. 2AWT. 3AWT)

In case of solenoid or timer malfunction or water supply problems (clogged strainer), automatic models may be used as pourover units simply by lifting cover.

AUXILIARY HOT WATER FAUCET (CS2AWT. CS3AWT)

Automatic Brewers feature a hot water faucet and a solid state water level control which automatically replenishes water used and maintains the proper water level inside the holding tank at all times.

The solid state level control has a built-in secondary control timer which shuts down the brewer in case of a malfunctioning brew timer, level control or solenoid. A red (LED) indicator light will signal that service is required. In such case, brewing of coffee can continue by use of back up system (manual pourover) until problem is solved.

****BREWING INSTRUCTIONS****

AUTOMATIC MODELS (MODEL NO. CS2A. 3A. 2AWT. 3AWT):

1. Make sure power switch and green ready light are on. (Wait for green ready light to come on if necessary).
2. Place paper filter in brew funnel. Open pack of fine grind coffee (as recommended by your coffee supplier) and spread evenly on filter paper.
3. Insert Brew funnel back into machine and place empty decanter under funnel.
4. Turn on warmer switch beneath decanter and press brew switch. Coffee will be ready in $3\frac{1}{2}$ minutes.
5. Adjust timer (if necessary to fill decanter to just below band on handle)—(refer to instructions for timer adjustment).
6. Remove grounds and filter as soon as coffee has dripped through. Never pour coffee back through spent grounds.

POUR-OVER MODELS (CS2 & CS3):

1. Follow steps 1, 2 and 3 above.
2. Fill decanter with cold water to just below band on handle, lift cover (1, Fig. 1, 2), and pour water through top of opening. Place empty decanter under funnel.
3. Turn on warmer switch beneath decanter. Coffee will be ready in $3\frac{1}{2}$ minutes.
4. Remove grounds and filter as soon as coffee has dripped through. Never pour coffee back through spent grounds.

****CLEANING INSTRUCTIONS****

1. Wash brew funnel and decanter by hand as needed. Do not use dishwasher, which may cause decanter breakage.
2. Clean plastic and stainless steel surfaces whenever necessary with a damp sponge or cloth and mild soap; rinse thoroughly and wipe dry. **CAUTION:** Avoid using strong cleaners which may adversely affect the plastic parts.
3. Remove stains on stainless steel parts with a SCOTCHBRITE pad: Never use steel wool, as it will mar the finish.
4. Remove and clean spray head (22, Fig. 1; 15, Fig. 2) once a week to prevent lime build-up and clogging.

FOR AUTHORIZED SERVICE PERSONNEL ONLY

****SERVICE INSTRUCTIONS****

HIGH TEMPERATURE SAFETY SHUTOFF-RED RESET BUTTON:

If unit runs dry due to extended periods of non-usage with the power on, safety shutoff will automatically turn off the heating element. To put the brewer back in operation, refill the tank compartment with water (follow priming instructions), push the red reset button, on the back of the machine, and wait for the water to heat. When the brew light comes on, the machine is ready to brew coffee.

NOTE: In hard water areas, lime deposits may have to be removed before operating brewer again after it has run dry. Follow directions under "Cleaning Instructions" for deliming.

THERMOSTAT ADJUSTMENTS:

1. Remove hole plug (3, Fig. 1, 2) from the round hole on top of cover. Place a suitable thermometer in hole and immerse bulb approximately 4 inches.
2. If water temperature is less than 197° F (92° C) slowly turn thermostat slot stem, on back of brewer, clockwise until ready light goes out. When temperature of water approaches 197° to 203° F (92° to 95° C) slowly turn thermostat stem counter-clockwise until the green ready light comes on. If water temperature cannot be increased when thermostat shaft is turned fully clockwise, then proceed as follows:

Place a small screwdriver into the center of thermostat shaft. While observing green ready light and temperature on thermometer, hold shaft and turn small adjustment screw in center counter-clockwise until green ready light goes out. When temperature of water approaches 197°-203° F (92°-95° C), slowly turn screw clockwise until ready light comes on. *Turning screw clockwise lowers temperature: counter-clockwise raises it.* After adjusting center screw, place nail polish or glyptol on screw to set in position.

NOTE: As a final check, measure water temperature at Spray Head (22, Fig. 1:15, Fig 2). Temperature should be 197° to 203° F (92° to 95° C).

TIMER ADJUSTMENTS (Automatic Models Only):

To increase volume of water, turn knob of timer (24, Fig. 1; 48, Fig. 2) clockwise. To decrease, turn knob counter-clockwise. Turn knob by small increments.

NOTE: Timer must go through a complete cycle before another adjustment can be made. Timer cannot be adjusted once it has been initiated.

****TROUBLE SHOOTING GUIDE**** **(For Qualified Service Persons Only)**

CAUTION; DISCONNECT POWER BEFORE ATTEMPTING ANY ELECTRICAL REPAIRS.

PROBLEMS WITH WARMER ELEMENTS & SWITCHES:

If warmer plate (20, Fig. 1:17, Fig. 2) fails to heat, first check power source. If power source is okay, check if light on warmer switch (15, Fig. 1; 18, Fig. 2) is lit when in the "I" position. If warmer switch is lit, replace warmer plate by unplugging brewer, removing the two hold down screws on plate and withdrawing warmer plate from brewer. Replace with new warmer plate. If warmer switch does not light, replace it. To remove warmer switch press each tab behind front plate of brewer down with screwdriver in turn. As each tab is pressed, pop that corner of warmer switch out of the front of brewer. New switch snaps in from the front.

IF WATER FAILS TO HEAT:

1. If amber power light (39, Fig. 1, 2) and warmer switches do not come on, check power source. Replace fuse or reset circuit breaker if necessary. If power is good, check brewer wiring for continuity and replace damaged wire(s).
2. If amber power light is on, follow priming instructions; then press reset button on back of brewer and wait approximately 15 minutes for water to heat and green ready light to come on. If water still fails to heat, disconnect line cord and check out tank heater, (27, Fig. 1; 41, Fig. 2), thermostat (33, Fig. 1; 24, Fig. 2) and high temperature safety shutoff (35, Fig. 1; 43, Fig. 2). Replace needed parts.

MAINTENANCE ON AUTOMATICS (CS2A, 3A, 2AWT, 3AWT)

IF NO WATER COMES FROM SPRAY HEAD: Check in the following order:

- | | |
|--------------------------------------|--|
| 1. Water Supply Line | 4. Timer (24, Fig. 1; 48, Fig. 2) |
| 2. Line Fuse or Circuit Breaker | 5. Level control (all WT brewers with spigots) |
| 3. Solenoid (37, Fig. 1; 28, Fig. 2) | |

TESTING SOLENOID AND TIMER (CS2A & CS3A):

Make sure brewer is properly primed. Turn on power switch; then press brew switch and hold for one minute. If solenoid buzzes and water flows through spray head when brew switch is pressed and held, but stops when switch is released, timer is defective. Replace it. If no water flows from spray head, and solenoid is inactive, first check brew switch and wiring to solenoid and replace or repair as necessary. If brew switch and wiring are okay, solenoid is at fault.

COFFEE BREWERS WITH HOT WATER SPIGOT (CS2AWT & CS3AWT):

1. When hot water is drawn for purposes of making tea, decaffeinated coffee or instant soup it is automatically replenished by means of a water level control built into the system. Proper water level inside the tank is maintained at all times.
2. The outstanding feature of this water level control is its unique "Safe-Guard" circuit which prevents possible flooding which may be caused by electrical component failure (i.e. switches, timer, level control sensor or solenoid, see Trouble Shooting guide for diagnosis). Problems with any of the components will also be visually indicated by the red (LED) light. To reset the safeguard system, simply shut the power switch OFF and then turn on again. 3. If there is no water coming out from the spray head when brew switch is depressed or if water does not refill when hot water is drawn, check the following:
 - A) If LED light is on at the front, shut off the power switch and turn on again. This will reset the level control and automatic refill cycle. If LED light goes off and there is no auto refill, proceed as follows:
 1. Disconnect power.
 2. Disconnect red wire from solenoid and also disconnect red wire from liquid level control (Terminal "Timer" —2nd from right side) (46, Fig. 1; 30, Fig. 2), and connect this wire to solenoid, then perform solenoid test described in "Testing Solenoid and Timer" after reconnecting power.
4. Disconnect power. If system operates but does not refill automatically, proceed as follows:

Connect the wire back to original wiring. Remove one wire on "Probe" terminal of water level control (Top one on left side of control).

Reconnect power and turn on power switch. If solenoid activates, water level control is operating normally. If Solenoid fails to activate, the water level control is probably defective. Check the wiring for proper connection & continuity.

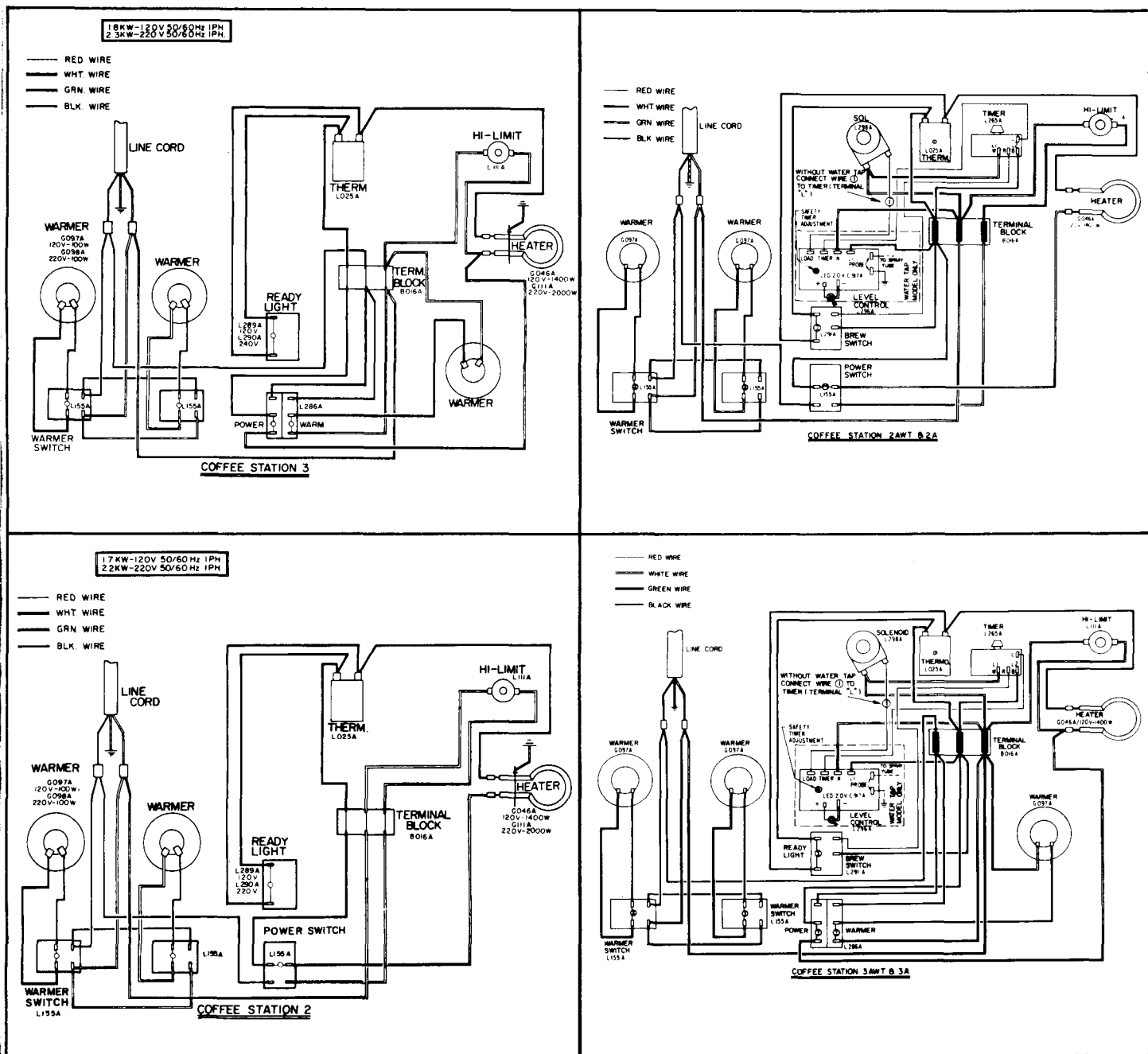
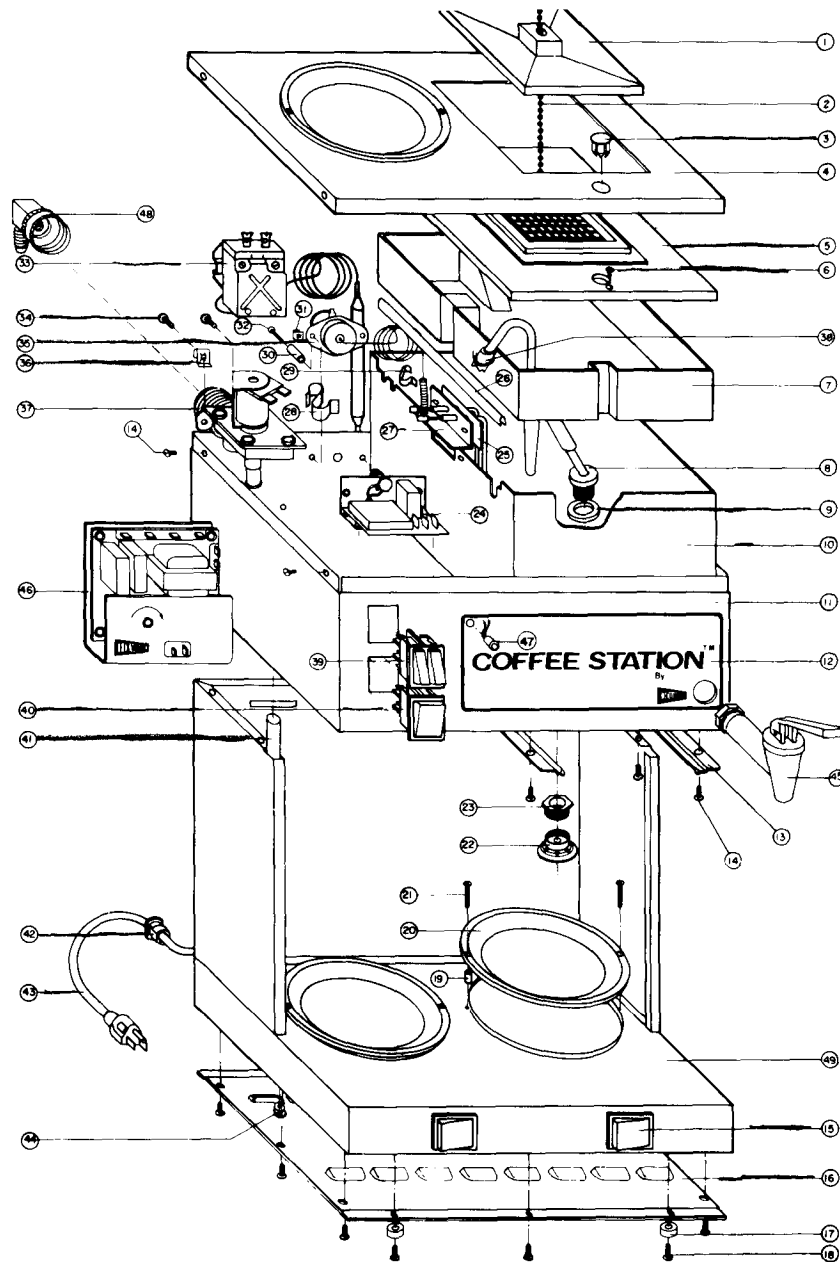


FIGURE 1
COFFEE STATION
MODELS
CS3AWT (SHOWN)



REPLACEMENT PARTS LIST FOR COFFEE STATION AND OCS BREWERS

ITEM # CS	DESCRIPTION	PART#	MODELS	ITEM# CS	DESCRIPTION	PART#	MODELS
1/1	Lid Cover	R128A		20/17	Warmer Element Assv. 120V	G097A	
2/2	Cover Chain	P238A			Warmer Element Assv. 220V	G098A	
3/3	Thermometer Hole Plug	P221A		21/16	Element Mounting Screw	P139A	
4/-	Stainless Cover 2	R321V	CS2 Series	22/15	Spray Head—Plastic	E026A	
	Stainless Cover 3	R325V	CS3 Series	23/14	Spray Head Nut	E007A	
5/-	Inside Tank Cover	R123A	All CS	24/48	Solid State Timer 120V	L265A	All Automatics
6/-	Plastic Cover Screw	P154A	All CS		Solid State Timer 220V	L265E	All Automatics
7/5	Water Trough	R126A	All CS	25/42	Tank Heater Gasket	M075A	
8/7	Spray Tube Assembly	H134A	All Except WT	27/41	Tank Heater 120V/1400W	G046A	
	Spray Tube Assembly	H159A	All WT		Tank Heater 220V/2000W	G111A	
9/8	Spray Head Gasket	M121A		28/6	Thermostat Bulb Clip	P143A	
10/-	Polysulfone Tank	R122A	All CS Except WT	29/9	Safety Shutoff Bulb Clip	P142A	
	Polysulfone Tank	R122E	All CS WT	30/46	Safety Shutoff Spacer	M104A	
11/-	Top Box (Less Components)	R323V	All CS Except WT	31/45	Safety Shutoff Tinnerman	P088A	
	Top Box (Less Components)	R337A	All CS WT	32/47	Safety Shutoff Mtg. Screw	P030A	
12/-	Label	N509A	All CS	33/24	Thermostat	L025A	
13/-	Brew Funnel Runner—Right	U490A	All CS	34/26	Solenoid Mounting Screw	P235A	All Automatics
	Brew Funnel Runner—Left	U493A	All CS	35/43	Safety Shutoff (Hi Limit)	L111A	
14/-	Runner Screws	P182A	All CS	36/27	Solenoid Tinnerman	P228A	All Automatics
15/18	Warmer Switch	L155A			Solenoid 120V	L298A	All Automatics
16/19	Bottom Cover	R327A			Solenoid 220V	L308A	All Automatics
17/20	Rubber Foot	M134A		38/44	Solenoid Fill Tube	M191A	All Automatics
18/-	Foot Mounting Screw	P148A	All CS	39/-	Power Warm Switch	L286A	CS3 Series
19/35	Spacer, Warmer Dish	P205A			Power Switch	L155A	CS2 Series